BOFEILI

BFLEB700C–001
Electric Bike

Instruction Manual

Please read the manual carefully before using

Distributed by

Bofeili E-bikes Australia
(Part of the Pride Auto Group)

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1 Introduction

Dear Customer

We would like to thank you for choosing our product.

In choosing a BOFEILI Electric Bike, you have selected a high-quality product that offers excellent standards of safety, state-of-the-art technology and value for money. This bike was designed and built in full compliance with currently applicable regulations, using materials and components of exceptional quality. These components are constantly reviewed and upgraded by our pool of specialized engineers and technicians, to guarantee maximum safety, performance and comfort.

BOFEILI Electric Bikes also offers their customers an efficient Technical Assistance Service, as well as a vast array of spare parts and accessories to provide you with years of pleasure on the road.

Before using your bicycle, we encourage you to read and familiarize yourself with the information contained in this user manual. We believe you will find this manual useful in getting the most out of our product in complete safety.

Bofeili Electric Bikes
Tai Cang Yuebo Electric Technology Co. Ltd.

Please read the manual carefully before using

2 Warranty

Your Bofeili E-bike is designed to bring pleasure to your bike riding.

The warranty is simple.

Bofeili E-bikes have a one year warranty on parts excluding fair wear and tear. Consumables such as tyres etc are not warrantable. Bofeili E-bikes Australia will cover all freight costs associated with a valid warranty claim.

However, all products have their limitations. Your Bofeili E-bike is for use on sealed roads only. It is not designed for off-road use.

Where a Bofeili E-bike is accident-damaged, Bofeili E-bikes Australia will offer all assistance but warrantable repairs will be at their discretion.

This warranty may only be varied at the discretion of Bofeili E-bikes Australia.

3 Instructions

Do not use our product without having read and understood the following instructions.

3.1 Warnings

Please read the following warnings carefully:

1. Before using our product, carefully examine all parts and components. For any questions or concerns, please contact your Authorized Dealer
2. We highly recommend that you observe traffic rules and regulations when using the our product. Passengers may not be carried, with the exception of children riding in a child bicycle seat. [please verify national and local regulations]
3. The e-bike is used as a city bike. Do not use as a normal mountain bike.
4. When riding in rainy, snowy or slippery conditions reduce your speed and increase the distance between yourself and other vehicles.
5. We advise against performing maintenance operations that involve removing parts or components. If necessary, please contact your Authorized Dealer, and in all cases genuine spare parts shall be used.
6. Do not ride through puddles that may have formed on the road due to heavy rain. Water could enter the motor, causing short circuits and irreparable damage.
7. The two metallic contacts located on the rear of the battery box are the positive and negative battery terminals. Avoid touching them, especially with wet hands, and do not use metal objects to connect them in order to avoid high-current electric discharge that could cause severe burns, electric shocks or damage to the batteries.
8. Do not let individuals who are unfamiliar with your bike, use your bike.

3.2 Preparation for riding

Rules of the road

Absolute respect for the rules of the road is a must. When using in open road or night conditions, It is the responsibility of the rider to observe the current legislation regarding the rules of the road.

Recommendations for your safety

1. Do not attempt excessive speed during a descent and do not attempt to stop the bicycle using only the front brake.
2. Avoid risky exploits or muddy or dangerous terrain.
3. Do not oil brakes or wheels as this will severely affect their performance.
4. Do not attempt to modify or repair the bicycle without previous authorization since this will void the guarantee.
5. Never open the battery without previous authorization since this may damage its components and render the guarantee void.
6. Always keep the battery away from fire and any flammable materials.
7. Refrain from touching both positive and negative terminals simultaneously with an electrical conductor.
8. Avoid dropping the battery.
9. Attention! Wearing a helmet and suitable clothing is strongly recommended.

To avoid accidents or injuries please comply with the following recommendations:

1. Before each ride, conduct a quick inspection of our product.
2. Keep your speed under control, drive smoothly and avoid swerving.
3. When driving in rainy conditions, remember that on wet roads you have reduced visibility, and that braking times are increased and wheel traction decreases.
4. Be careful when transporting a child (riding in a child seat) on board the bicycle: it is more difficult to steer and maintain your balance.

Caution **Have your Authorized Dealer fit all accessories on our product.**

3.3 Safety checklist

Before every ride, it is important to carry out the following safety checks:

1 Brakes

- Ensure front and rear brakes work properly.
- Ensure brake shoe pads are not over worn and are correctly positioned in relation to the rims.
- Ensure brake control cables are lubricated, correctly adjusted and display no obvious wear.
- Ensure brake control levers are lubricated and tightly secured to the handlebar.

2 Wheels and tyres

- Ensure tyres are inflated to within the recommended limit as displayed on the tyre sidewall.
- Ensure tyres have tread and have no bulges or excessive wear.
- Ensure rims run true and have no obvious wobbles or kinks.
- Ensure all wheel spokes are tight and not broken.
- Check that axle nuts are tight. If your bicycle is fitted with quick release axles, make sure locking levers are correctly tensioned and in the closed position.

3 Steering

- Ensure handlebar and stem are correctly adjusted and tightened, and allow proper steering.
- Ensure that the handlebars are set correctly in relation to the forks and the direction of travel.
- Check that the headset locking mechanism is properly adjusted and tightened.
- If the bicycle is fitted with handlebar end extensions, ensure they are properly positioned and tightened.

4 Chain

- Ensure chain is oiled, clean and runs smoothly.
- Extra care is required in wet or dusty conditions.

5 Bearings

- Ensure all bearings are lubricated, run freely and display no excess movement, grinding or rattling.
- Check headset, wheel bearings, pedal bearings and bottom bracket bearings.

6 Cranks and pedals

- Ensure pedals are securely tightened to the cranks.
- Ensure cranks are securely tightened to the axle and are not bent.

7 Derailleurs

- Check that front and rear mechanisms are adjusted and function properly.
- Ensure shift and brake levers are attached to the handlebar, shift and brake.
- Ensure derailleurs, shift levers and shift and brake cables are properly lubricated.

8 Frame and Fork

- Check that the frame and fork are not bent or broken.
- If either are bent or broken, they should be replaced.

9 Accessories

- Ensure that all reflectors are properly fitted and not obscured.
- Ensure all other fittings on the bike are properly and securely fastened, and functioning.
- Ensure the rider is wearing a helmet.

10 Motor Drive Assembly and Throttle

- Ensure all motor drive components are correctly mounted and functioning properly.

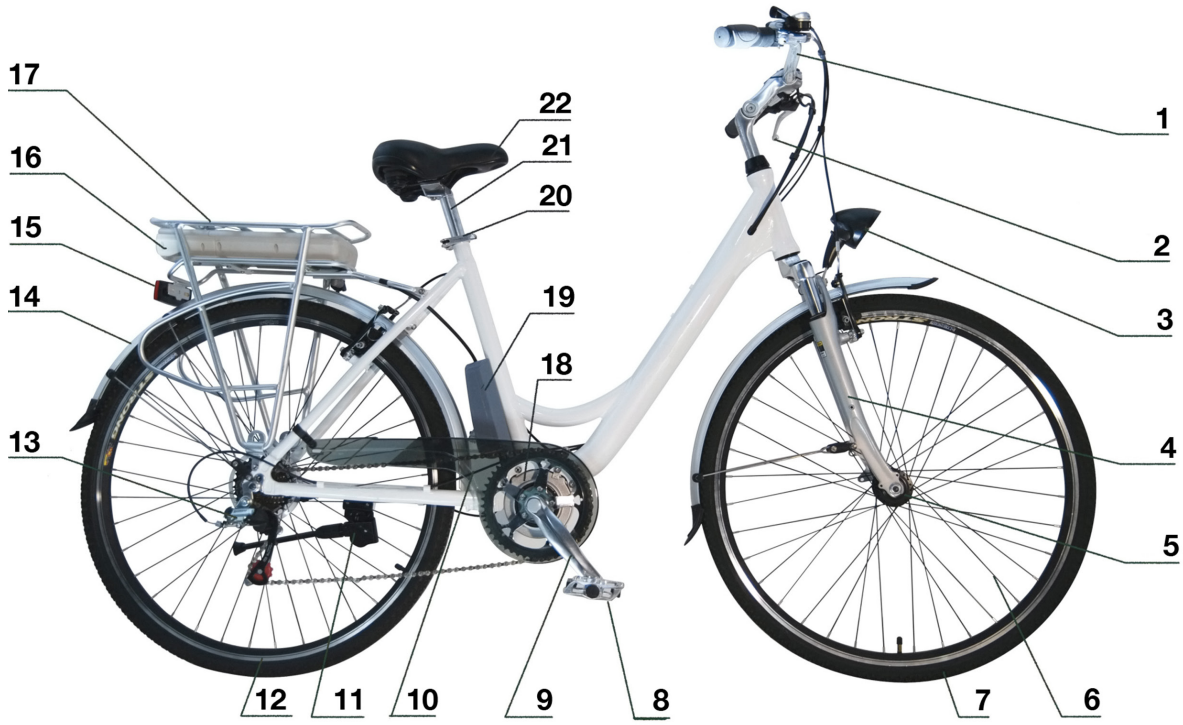
11 Battery Pack

- Ensure the batteries are in good operation condition and kept fully charged.

4 Parts identification

For indicative purposes only, models may vary.

Specifications subject to change.



1 Handlebar	**9** Crank	**17** Carrier
2 Brake Lever	**10** Chain Cover	**18** Motor
3 Light	**11** Kickstand	**19** Controller
4 Front Fork	**12** Rim	**20** Seat Post Clamp
5 Hub	**13** Derailleur	**21** Seat Post
6 Spoke	**14** Mudguard	**22** Saddle
7 Tyre	**15** Reflector	
8 Pedal	**16** Battery	

5 Electric bike overview

5.1 Main features

1. Simple and sturdy design for a safe and comfortable ride.
2. The crank drive motor is very efficient.
3. The intelligent brushless controller supplies the most efficient use of battery electrical energy.
4. Motor overload protection to guarantee reliability and quality.
5. The speed limitation of 25 km/h makes riding safer.

5.2 Specifications of the bike

1. Model – BFLEB700C-001
2. Frame – Alloy
3. Wheelbase – 1130 mm
4. Wheel diameter – 700 mm
5. Tyre pressure – 40–65 PSI (2.8–4.6 BAR)
6. Full dimensions (length x width x height – 1860 x 650 x1220 mm
7. Net Weight (with battery – 22 Kg
8. Maximum full load weight – 110 Kg
9. Maximum speed – 25 km/h
10. Range with fully-charged battery by pedal – 30~50 km/h
11. Transmission – 7 speed

Note Maximum possible travel distance on a fully charged battery will vary according to load, road conditions, wind direction, temperature, braking and restarts, tire pressure and prompt battery charging. To obtain the maximum travel distance, we suggest thoroughly checking all factors within your control, including overloading, smooth driving style, tire pressure and timely battery charging.

5.3 Motor specifications

1. 1. Motor Type – DC Brushless Crank Motor
2. Specifications – 36V 250W

5.4 Controller specifications

1. Type – Intelligent Brushless Controller
2. Minimum voltage protection – 32V
3. Maximum current protection – 14A
4. Speed limitation – Max speed of 25Km/h

5.5 Battery specifications

1. Battery Type – Lithium Battery (18650 cell)
2. Charging time – 4–6 h
3. Typical capacity – 9000 mAh
4. Minimum capacity – 8600 mAh
5. Fit Model – 36V E-Bike

5.6 Battery charger specifications

1. Input – AC 100V-240V 50-60Hz
2. Output voltage – DC 36V 2A

6 Adjustment

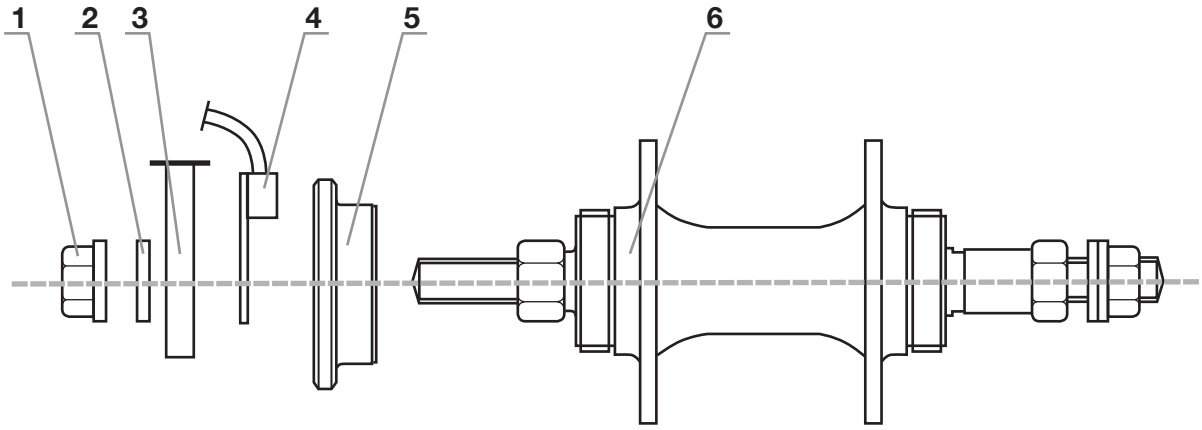
6.1 Mounting the wheels

The front wheel and rear wheel must be tightly secured to the fork and frame using the locking nuts located on the hubs.

Recommended tightening torques is as follows:

- Front wheel hub: 18 Nm
- Rear wheel hub: 30 Nm

6.2 Mounting the speed limitation system



1 Flange nut	**3** Frame drop put	**5** Threaded speed limitation magnetic sheet
2 Check washer	**4** Speed sensor	**6** Threaded hub-set

Turn clockwise the speed limited magnetic sheet on the left side of the rear hub. Please keep the side with the magnetic point outward. Then connect the speed sensor to it and turn clockwise. Keep the plastic side outward. Mount the wheel correctly and tighten the screw with the torque of 30NM.

6.3 The brakes

The city bike is supplied with the European style of the brake system. The left brake lever is for the front wheel, while the right for rear wheel. For Australian models left is for the rear, right is for the front.

To change, simply take off the brake cable, slide out through the slotted adjusters and swap left and right.

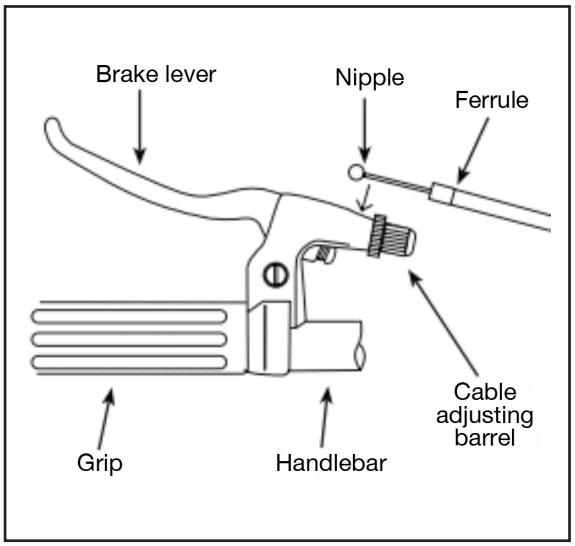
1. Reposition the cable in the brake fork.
2. The shoe must be aligned with the flank and must not rub against the tyre.
3. The shoe must be slightly inclined according to the angle of rotation of the wheel.
4. The distance separating the brake from the flank must be 3 to 4mm. the cable tension can be adjusted to obtain this spacing which can also be modified by the brake handle regulator or the brake caliper regulator.

On most brake calipers there is an adjustment screw which allows the balancing of this space.

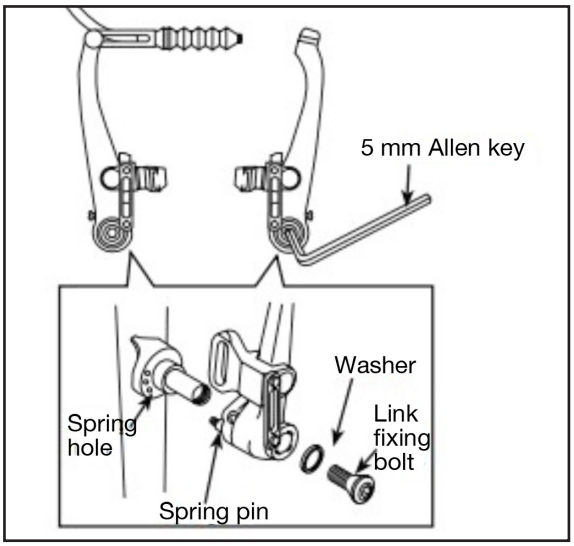
When adjusting the shoe balance the wheel must be correctly positioned in the fork or the rear stems. Avoid all contact between the shoe and the tyre.

Important **Brake pad wear limit: replace the brake pads before the friction material has been worn down to less than 2.5 mm.**

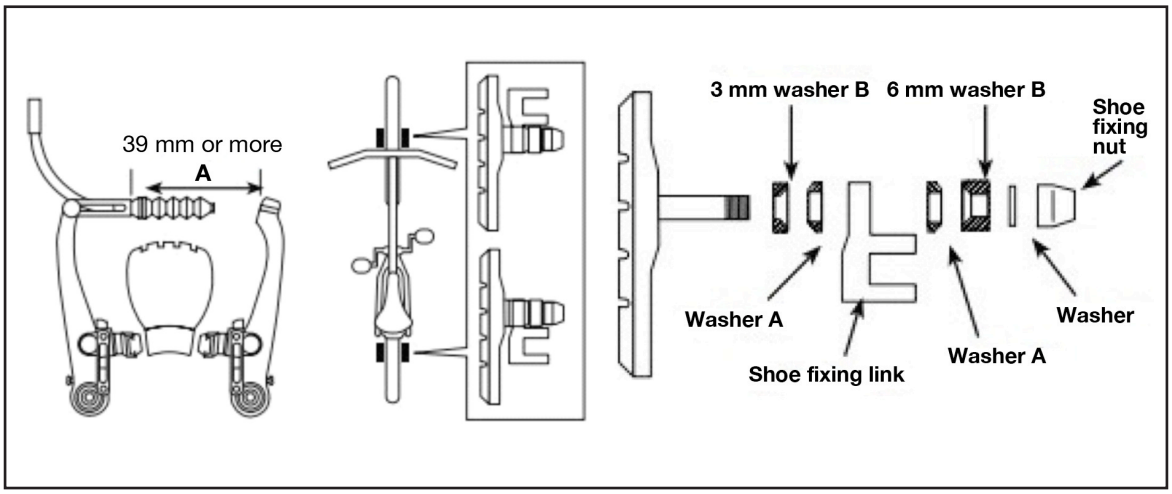
1 Open the brake lever and place the nipple end of the short brake cable into the lever, then close the lever. Secure the ferrule against the lever using the cable adjusting barrel.



2 If fitted with V-Brakes, insert the brake body into the center spring hole in the frame mounting boss, and then secure the brake body to the frame with the link fixing bolt.

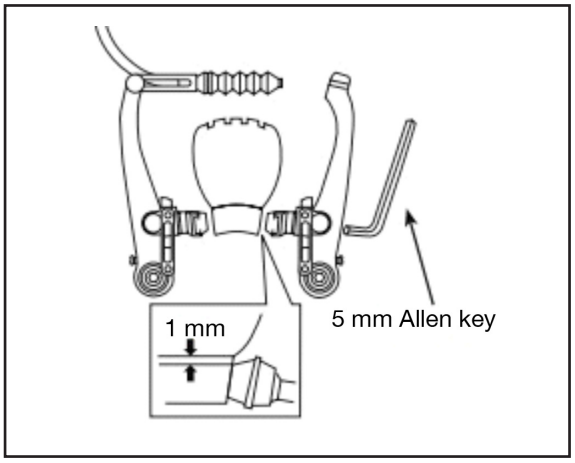


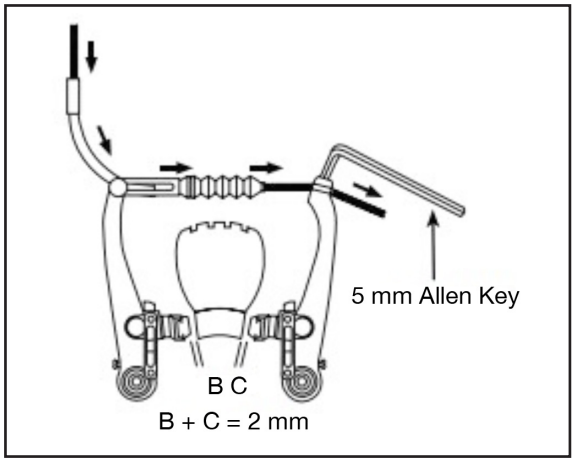
3 While holding the shoe against the rim, adjust the amount of shoe protrusion by interchanging the position of the B washers (i.e. 6 mm and 3 mm) so that dimension A is kept at 39 mm or more.



4 While holding the shoe against the rim, tighten the shoe fixing nut.

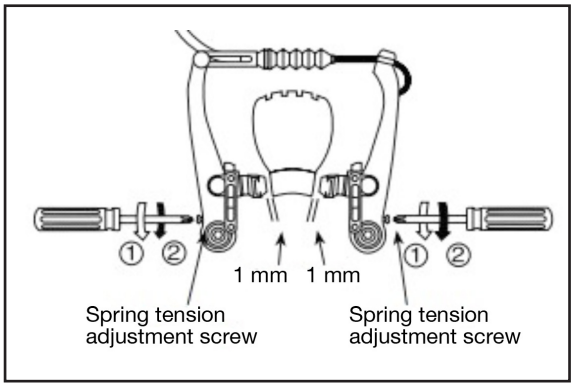
5 Pass the inner cable through the inner cable lead. Set the cable with a clearance of 1mm between each brake pad and the rim, tighten the cable fixing bolt.

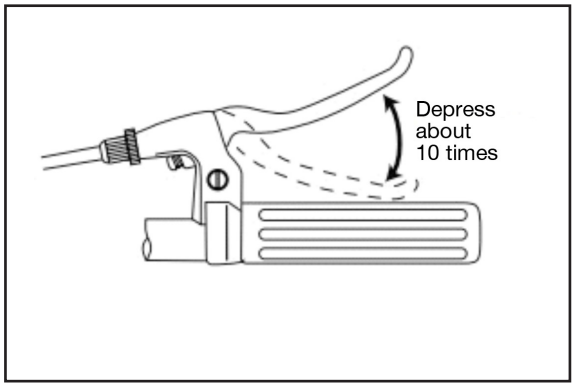




6 Adjust the balance with the spring tension adjustment screws.

7 Depress the brake lever about 10 times as far as the grip to check that everything is operating correctly and that the shoe clearance is correct before riding the bike.

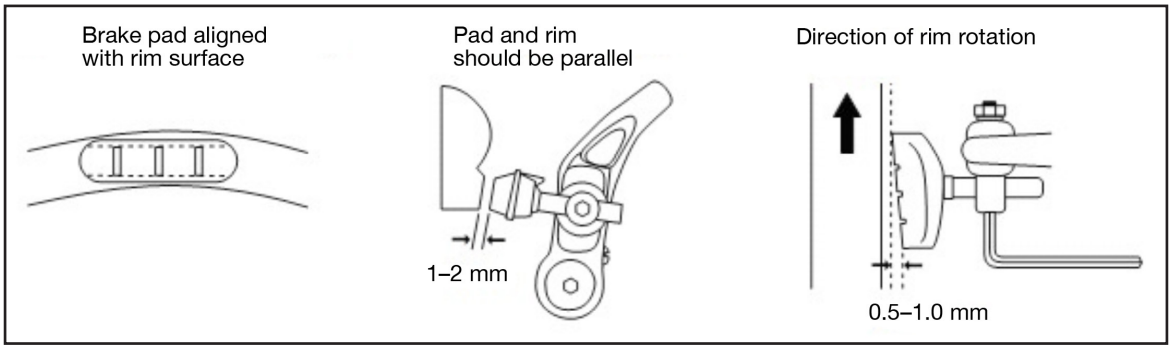




It is important to become familiar with the use of hand brakes. When properly adjusted, hand brakes are an efficient braking system. Keep the rim and brake shoes clean and free from wax, lubricants and dirt at all times. Keep brakes properly adjusted and in good working condition at all times.

Check your Brakes

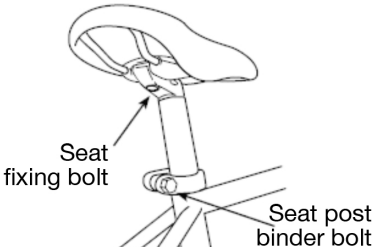
Press each brake lever to make sure that there is no binding and that the brake pads press hard enough on the rims to stop the bike. The brake pads should be adjusted so they are 1 mm to 2 mm away from the rim when the brakes are not applied. Brake pads should be centered on the rim and "toed-in" so the rear portion of each brake pad is about 0.5 - 1.0 mm farther from the rim than the front portion of the brake pad.

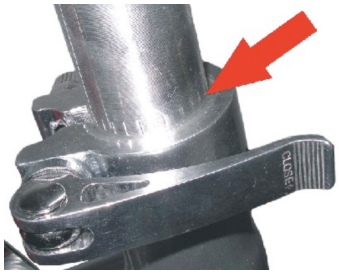


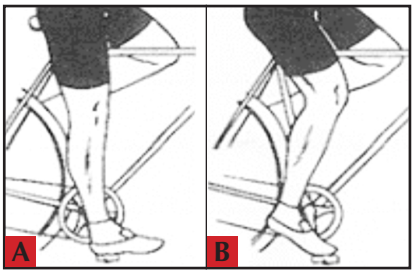
6.4 Adjusting the saddle

1. Be sure that the saddle stem is well inserted into the frame stem. Adjust it to the correct height and tighten the bolt.
2. The insertion mark must never be visible in order to ensure correct minimum insertion of the saddle stem into the tube stem.
3. The tightening torque for the saddle mounting screw and saddle post mounting screw should not be less than 18 NM.
4. To check for correct saddle position. One must be seated. Legs extended with heel resting on the pedal. When pedaling, the knee will be slightly bent.
5. After adjusting the saddle, check that the screws are correctly tightened to avoid losing control of the bicycle and falling.

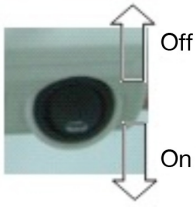
Micro adjustable seat post







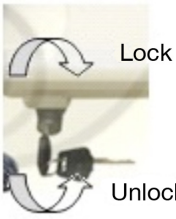
6.5 Mounting the battery



Switch on/off

Charge port

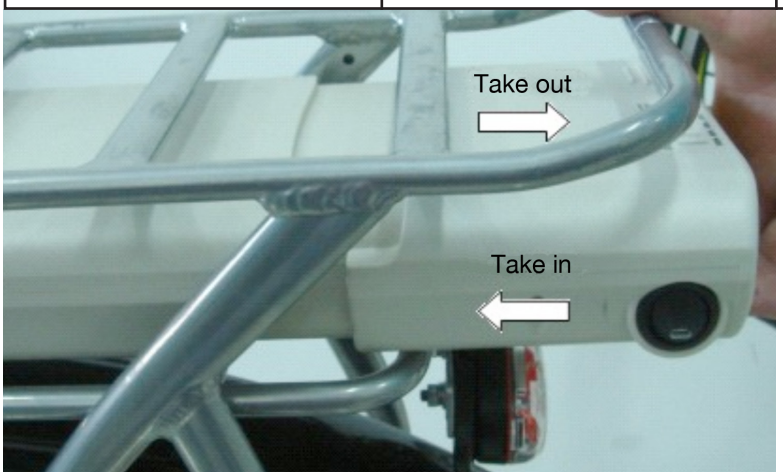
Fuse seat



Lock/Unlock

Output port

Power gauge



First, check the status light on the battery. When the battery is full, use it normally. If the battery is low, it should be charged.

Place the battery in the right position in the battery holder.

Turn the key of the socket to the “LOCK” position.

Note Please turn off the battery to save the power when not using.

The battery is meant to assist your riding of your bike. It is not meant to replace effort by the rider. Use a combination of pedalling and battery assist for maximum range.

7 How to use

7.1 Introduction

The maximum permissible load (driver plus additional loads) for the electric bike is 110 kg. Do not overload your electric bike, it is unsafe and your warranty will no longer be considered valid.

7.2 Using our product

1. The speed of the motor and the bike is controlled by the speed of the pedaling during riding.
2. When you feel the pedaling is too light or too hard, or driving uphill or downhill, please change the shift of the inner derailleur to choose the proper gear.
3. If the rider stops pedaling for more than 0.4 seconds, or if the brakes are used, the motor will stop supplying energy to the bicycle. The motor will only restart when you start pedaling again.
4. For best riding distance ride carefully, so that you can safely avoid frequent braking, as this wastes energy.

7.3 After using our product

1. Turn the battery to the OFF position.
2. When the electric bike will be outside for an extended period of time, please remove the battery to avoid the damage caused by rain and sun.

8 Battery and charging

8.1 The battery

1 Name–Lithium power battery

2 Type–Lithium battery

3 Model–36 V9Ah or V12AH depending on model

4 Rated Voltage–36V

5 Maximum Voltage–42V

6 Charging Terminal Voltage–30V

7 Charging input voltage–42V~42.5V

8 Charging input currency–≤ 2A

9 Over current protection–20A±2A

10 LED status light

LED Status	LED 1 light	LED 1, 2 light	LED 1, 2, 3 light	LED 1, 2, 3, 4 light
Voltage	31.55V	36.77V	37.46V	38.91V
Battery capacity	0%—30%	25%—60%	50%—80%	70%—100%

8.2 Using the battery

1 Charge the battery fully before each ride.

2 Place the battery on the frame and lock it if it has been removed.

3 Turn on the battery, and check the status lights.

4 Please turn off the battery after using. (Turn the switch on "OFF" position)

5 The battery should be used when the temperature is between -20~50°. The range of the bike will be reduced if the temperature is not between -10~40°.

6 Don't short circuit the battery positive electrode and negative electrode.

7 Charge the battery at least every 4 months.

Warning **BOFEILI electric bikes use Lithium batteries that do not require maintenance. Correct or incorrect use of the batteries will greatly impact their service life. We recommend:**

1 Gradually starting the electric bike and assisting the motor by pedaling strongly when starting off, when travelling uphill or when fast acceleration is required.

2 Recharge the battery as soon as the "EMPTY" status light is illuminated on the speed controller.

3 When the electric bike will not be used for an extended period of time, the battery must be fully recharged. Plan on subsequently recharging the battery once every month.

4 When the battery discharges fully, the control unit will automatically shut off the motor. By turning the starting key to the "OFF" position", and then to the "ON" position, the motor will start up again, but only for a few minutes. Do not constantly turn the key between the "ON" and "OFF" positions to avoid seriously damaging the battery.

8.3 Battery charger

1 Main power– AC 100V-240V 50/60Hz

2 Max. output voltage– DC 42.5 V

3 Approximate consumption–< 0.3 kW h

4 Charge time– 4–6 h

8.4 Battery charging

The battery charger must only be used as described below and only after reading the electric bicycle manual to obtain further details. It must not be used in another fashion or for any other purpose.

1 Product Feature

The charger is protected against reverse polarity,overcharging,reverse current flow and short circuiting.

2 How to use this charger

2.1 Connect the battery and the charger, then plug in the AC plug of the charger and switch on.

2.2 This charger is a “smart charger”. It will charge the battery with constant voltage and constant current. Usually the battery will require 4-6 hours to fully charge.

2.3 To remove charger, switch off 240V ,then disconnect plug from battery.

3 LED Function

3.1 If the power plug is inserted into the AC socket without the battery connected to the charger, the green LED will light,which means it is in normal stand-by status.

3.2 Red LED indicates the battery is being charged.

3.3 The LED light turns to green when the battery is fully charged.

4 Maintenance

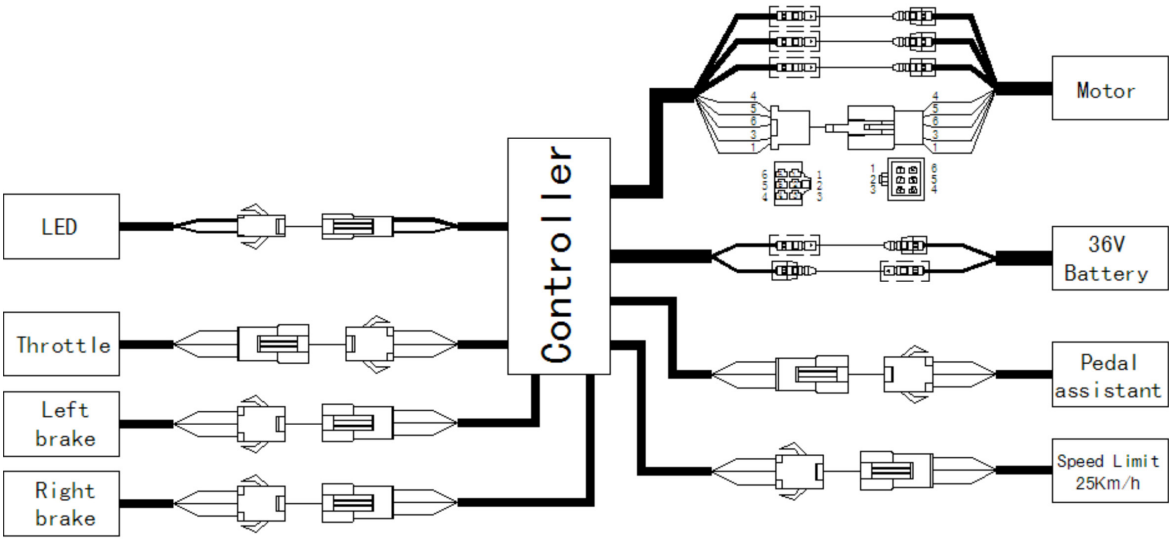
4.1 Only use this charger with the battery supplied.

4.2 The charger must not be opened other than by a qualified person. High voltage is present when charger is connected.

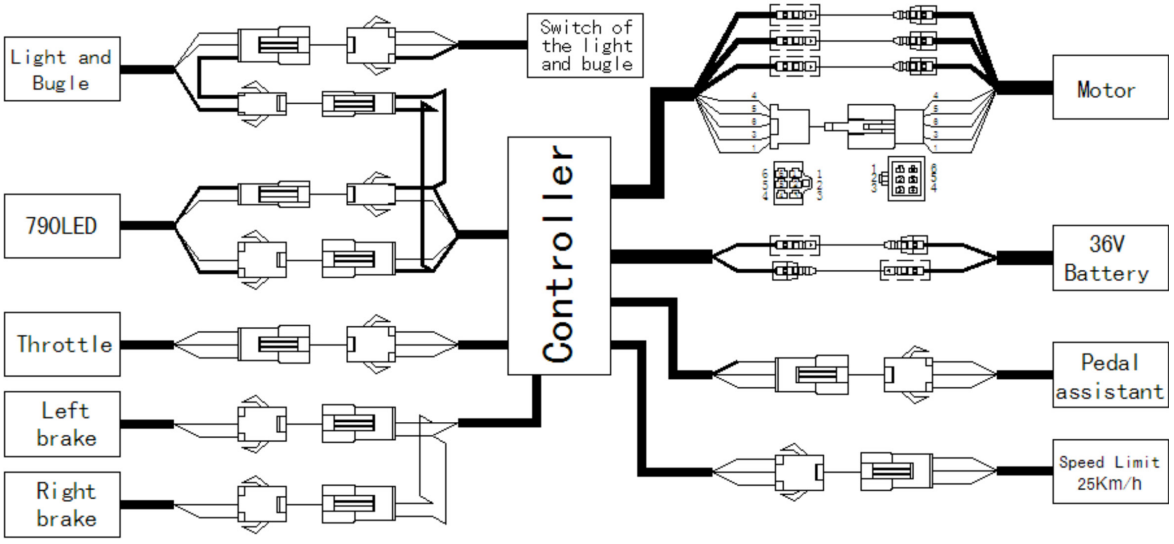
9 Circuit diagram

9.1 Wiring diagram

1 Conventional type

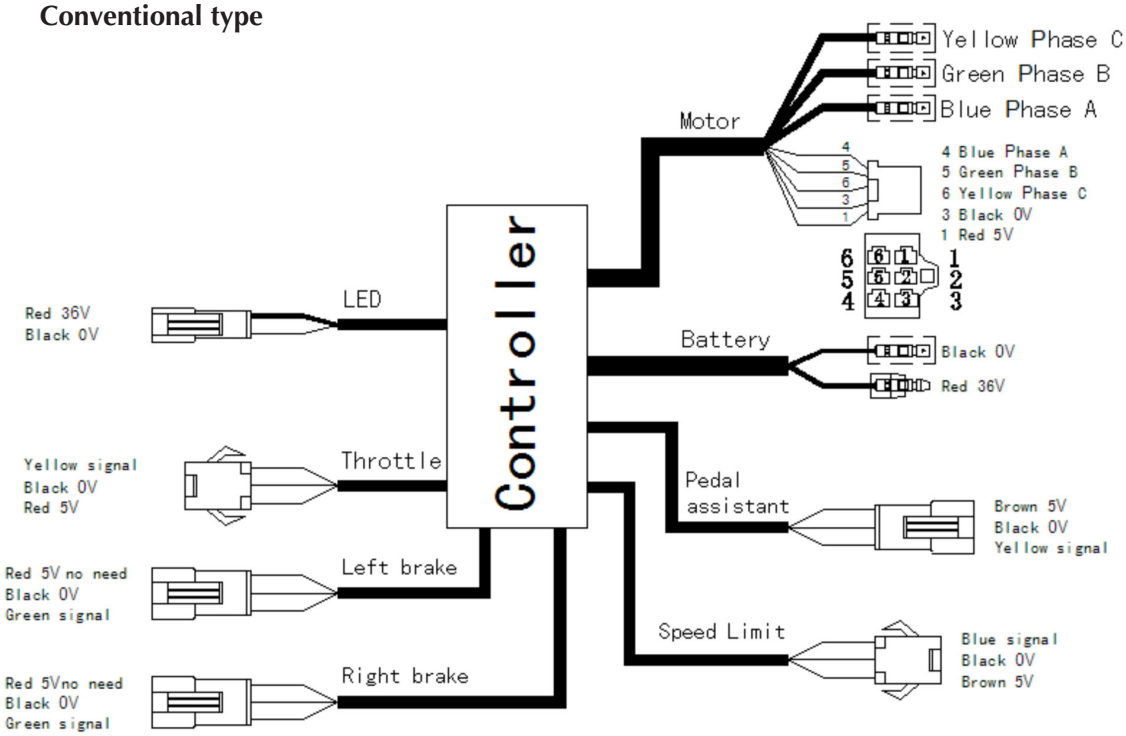


2 Enhancement type



9.2 Controller wiring diagram colours
(subject to change)

1 Conventional type



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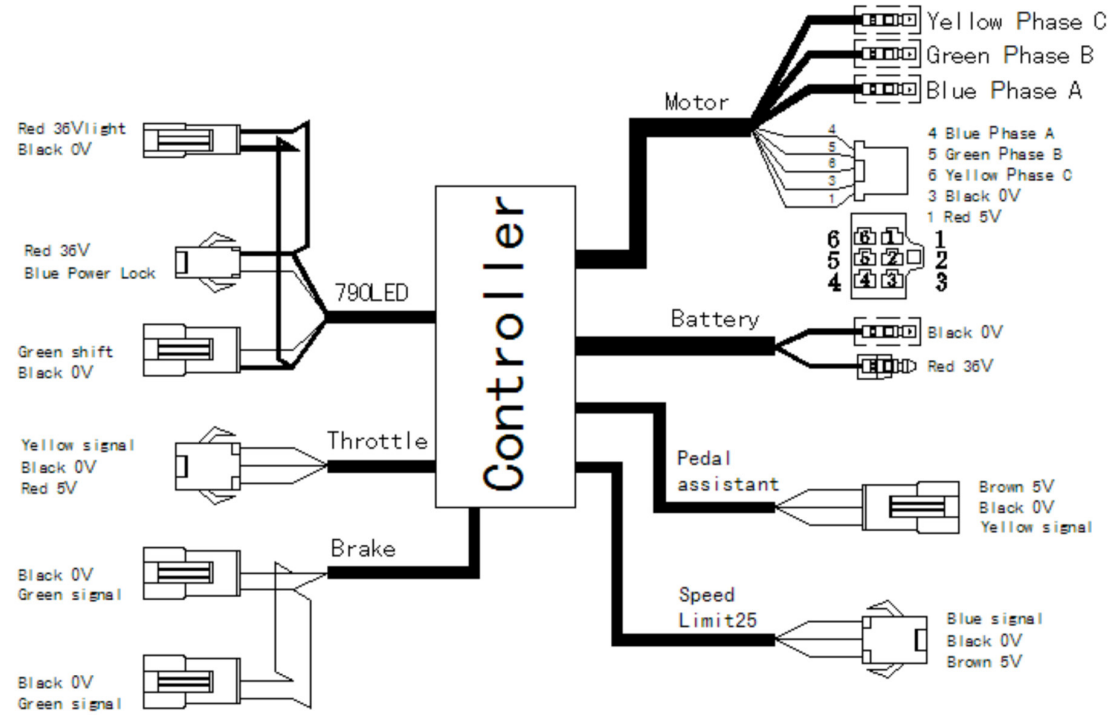

10 Bicycle inspection and care

10.1 Inspection

Maintaining our product is your responsibility. Regular maintenance will help prevent accidents.

Always carry out the following checks:

1. Check that the handlebar attachment and saddle post are correctly inserted and tightened.
2. Check that the wheel hub mounting nuts are correctly tightened.
3. Check that the wheel rims are not cracked and that no spokes are loose or broken.
4. Check that the tyres are not worn or cut.
5. Check that the tyres are correctly inflated.
6. Check that the battery contacts on the frame are not dirty or oxidized.
7. Check that the batteries are sufficiently charged.
8. Check that the front and rear lights are working correctly.
9. Check that all reflectors are intact and in good condition.
10. Check that the front and rear brakes brake effectively.
11. Check that the cables are sufficiently greased, and that the brake pads are in good condition.
12. Check that frame welds are in good condition and are free from corrosion or oxidation.

BFLEB700C–001 Electric Bike

Please read the manual carefully before using

1. This User Manual is only to explain the use and functions of this bike, and is not for any other reference.
2. The images shown may differ from the actual model presented in the shops.
3. We reserve the right to change the model without prior notice due to technical improvements.
4. This bicycle has a top speed limiter. For safety reasons, its removal is strictly prohibited.